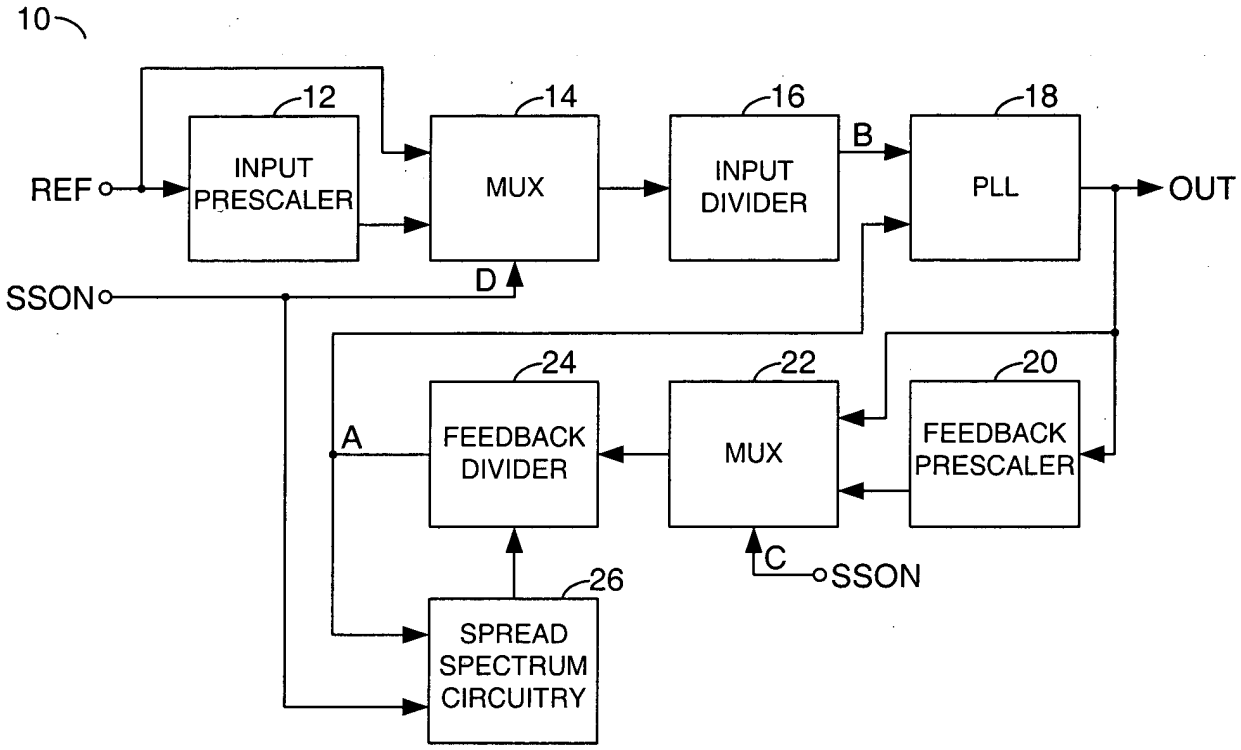


(CONVENTIONAL)

FIG. 1

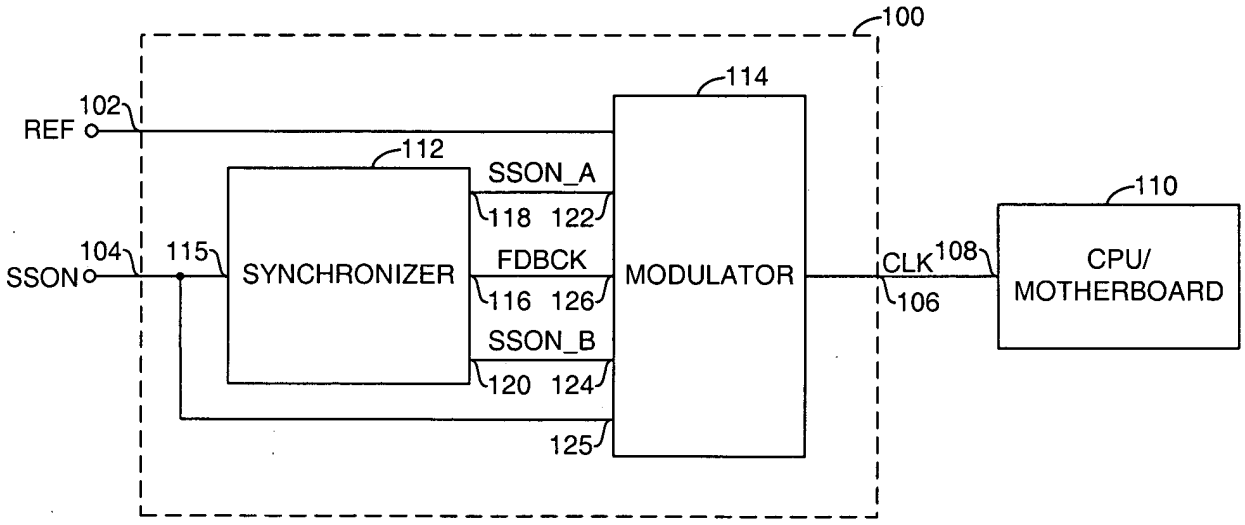
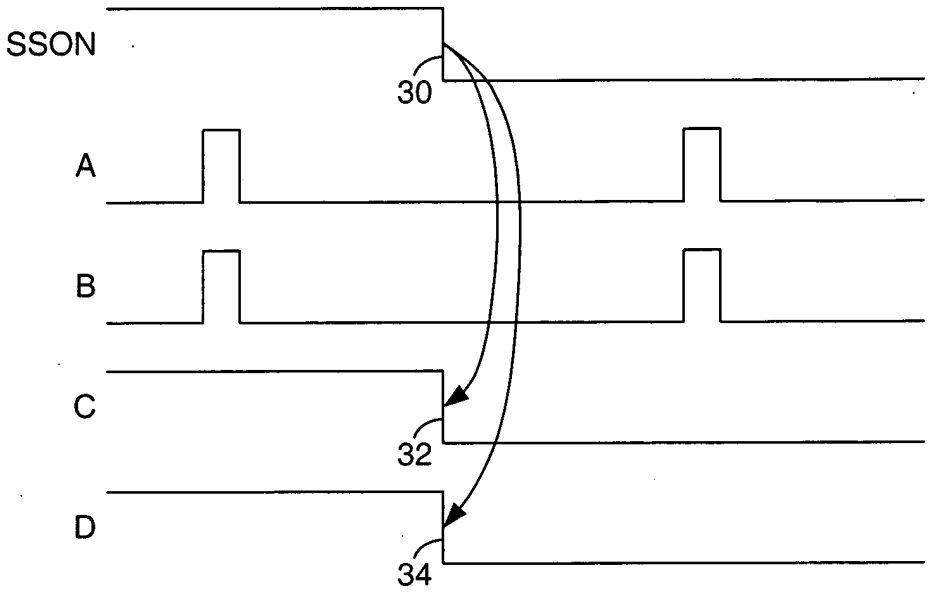
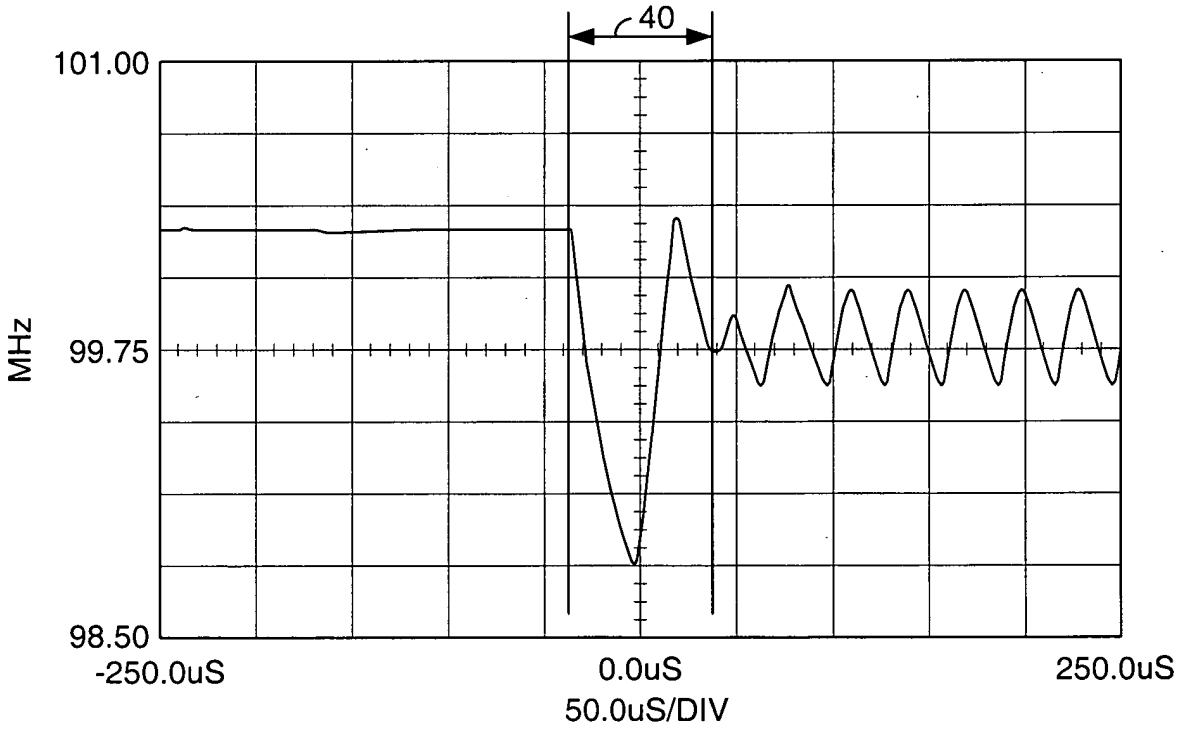


FIG. 3





(CONVENTIONAL)

FIG. 2

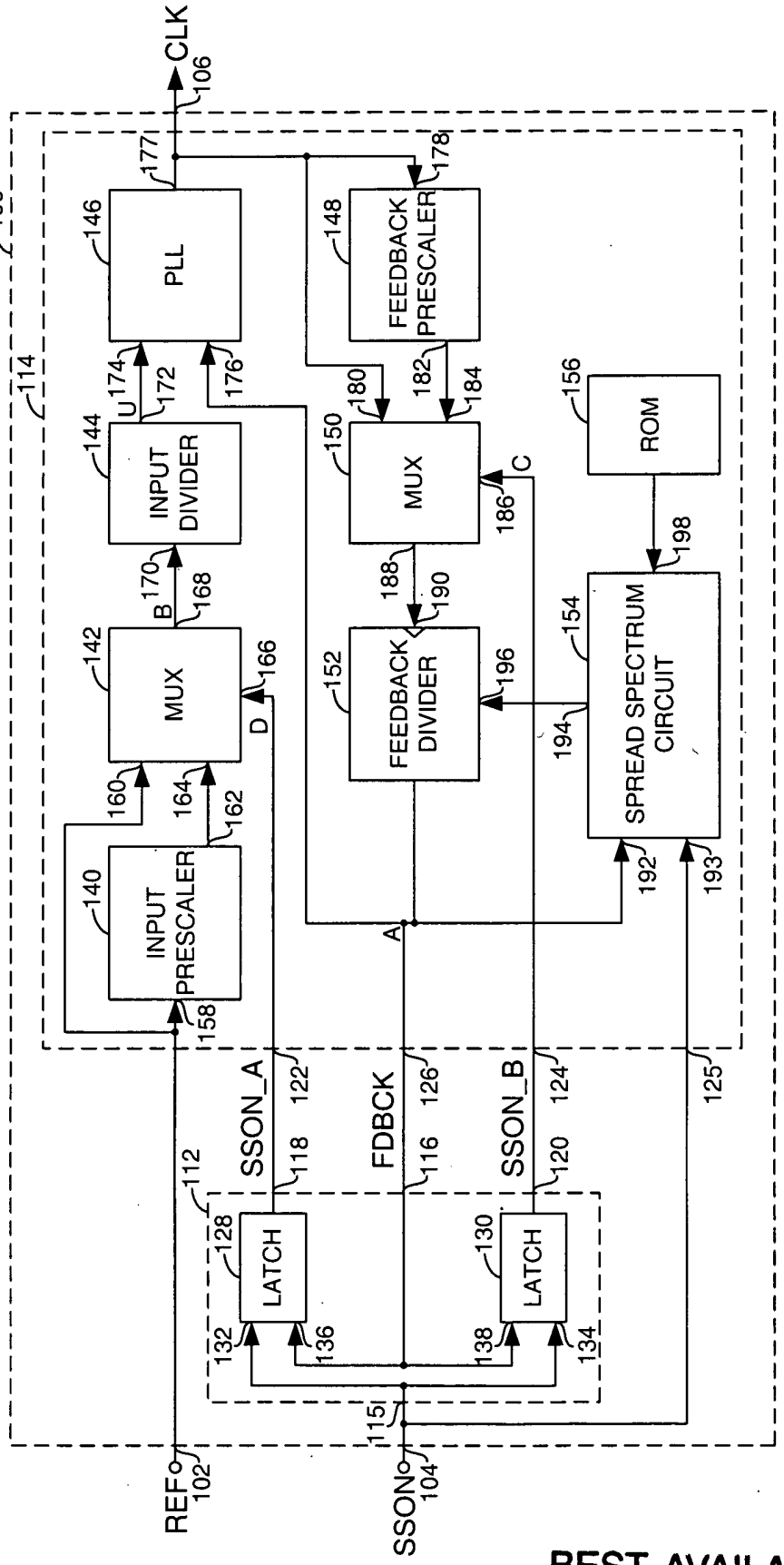


FIG. 4

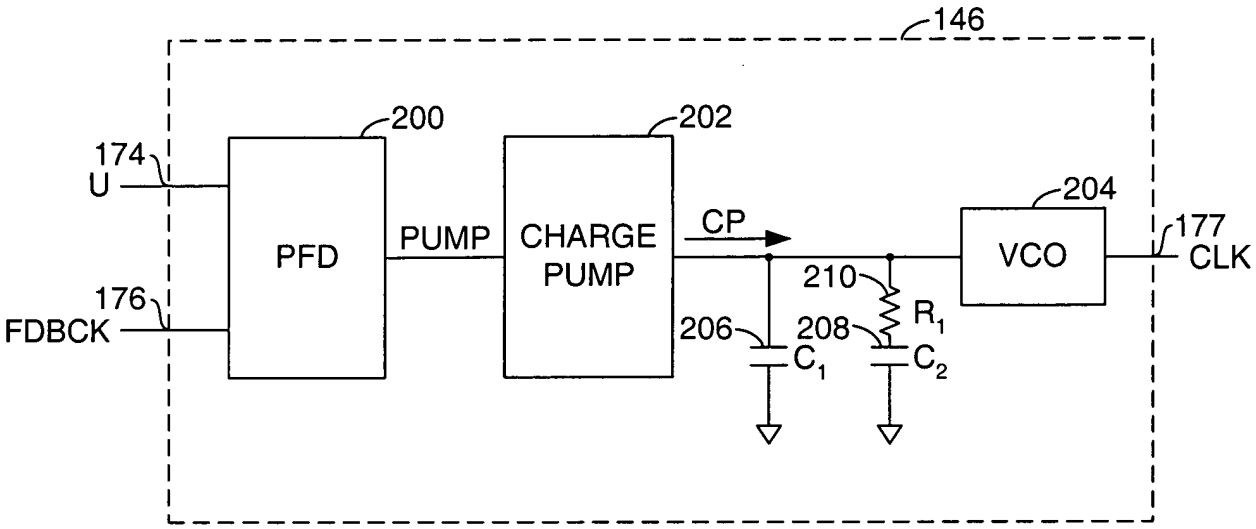
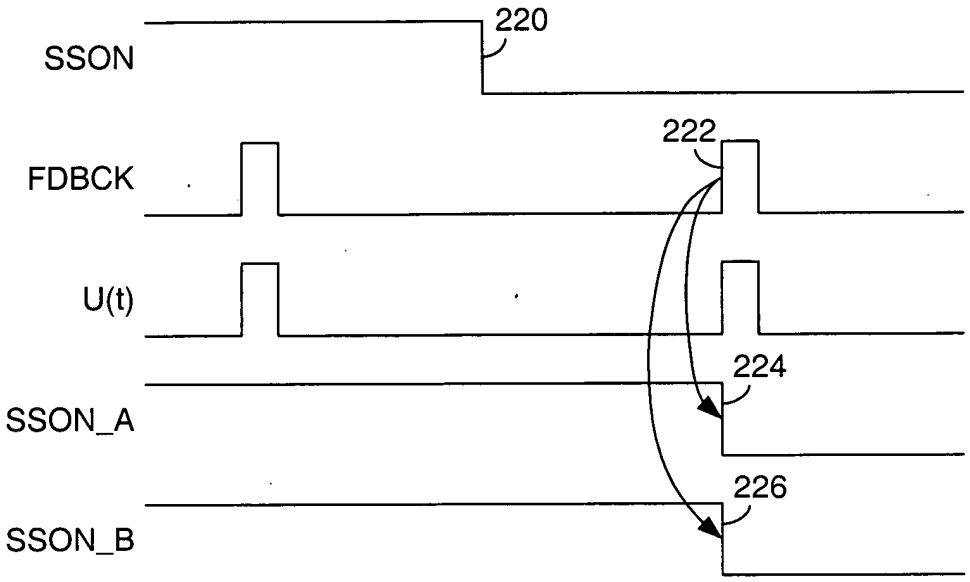


FIG. 5



SPREAD SPECTRUM TRANSITION BEHAVIORS ARE CONTROLLED BY THE PROGRAM

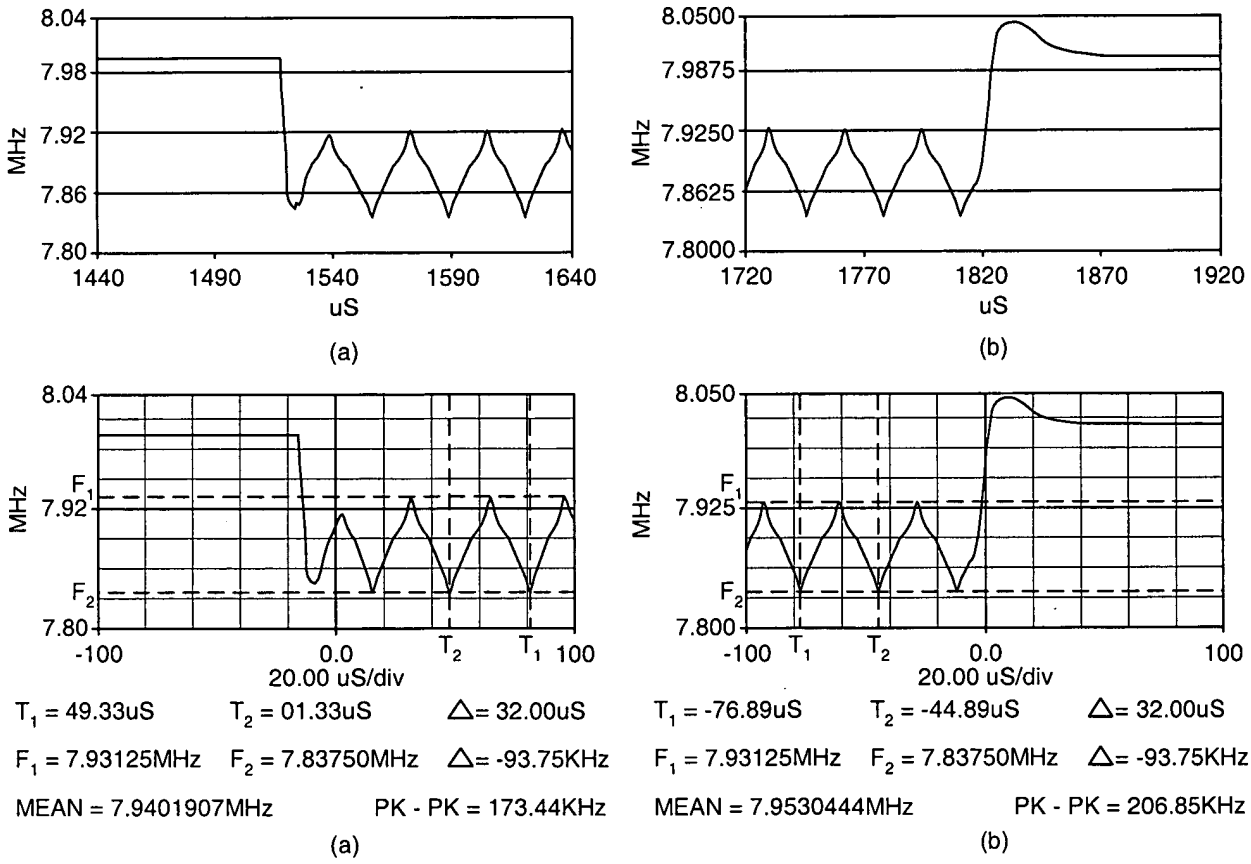
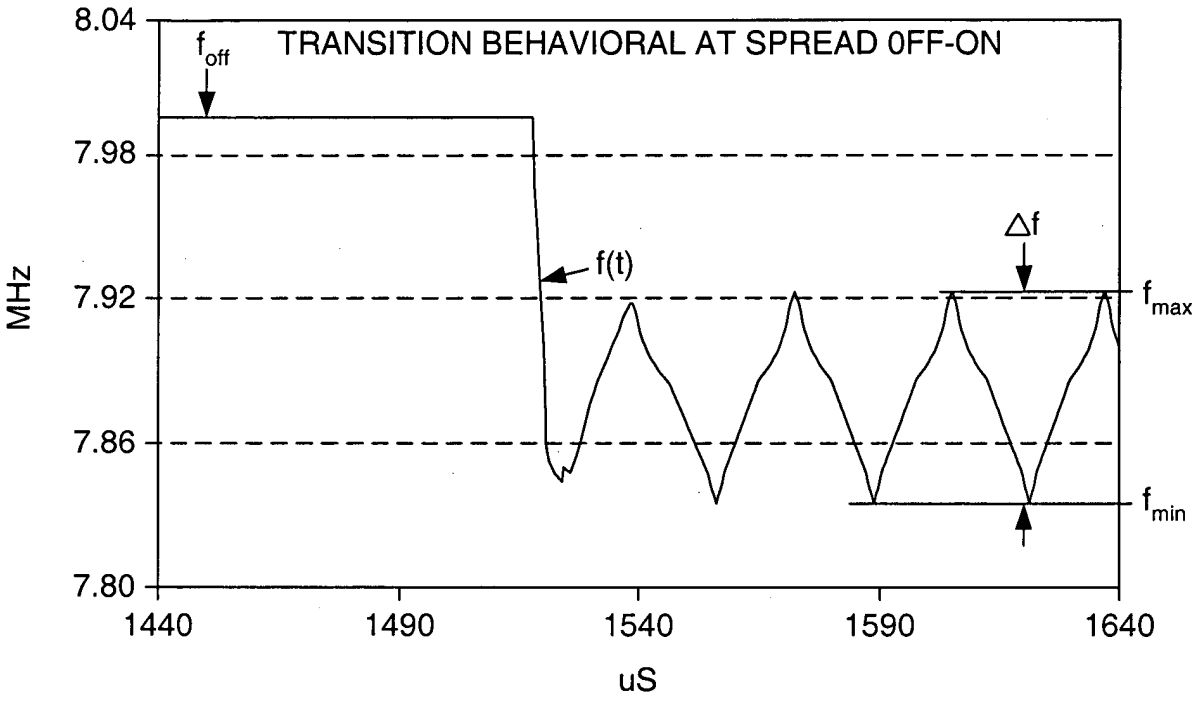


FIG. 6

CRITERIA FOR DETERMINING "GOOD AND BAD" SS TRANSIENT BEHAVIOR



f(t) : PLL's RUNNING FREQUENCY IN TRANSIENT PERIOD

f_{off} : PLL's SSCG OFF FREQUENCY

f_{max} : MAXIMUM FREQUENCY IN SSCG ON

f_{min} : MINIMUM FREQUENCY IN SSCG ON

△f : PEAK TO PEAK FREQUENCY IN SSCG

CRITERIA NEED TO BE SATISFIED:

FREQUENCY RUNNING RANGE DURING TRANSIENT $f_{min} \leq f(t) \leq f_{off}$

FIG. 7

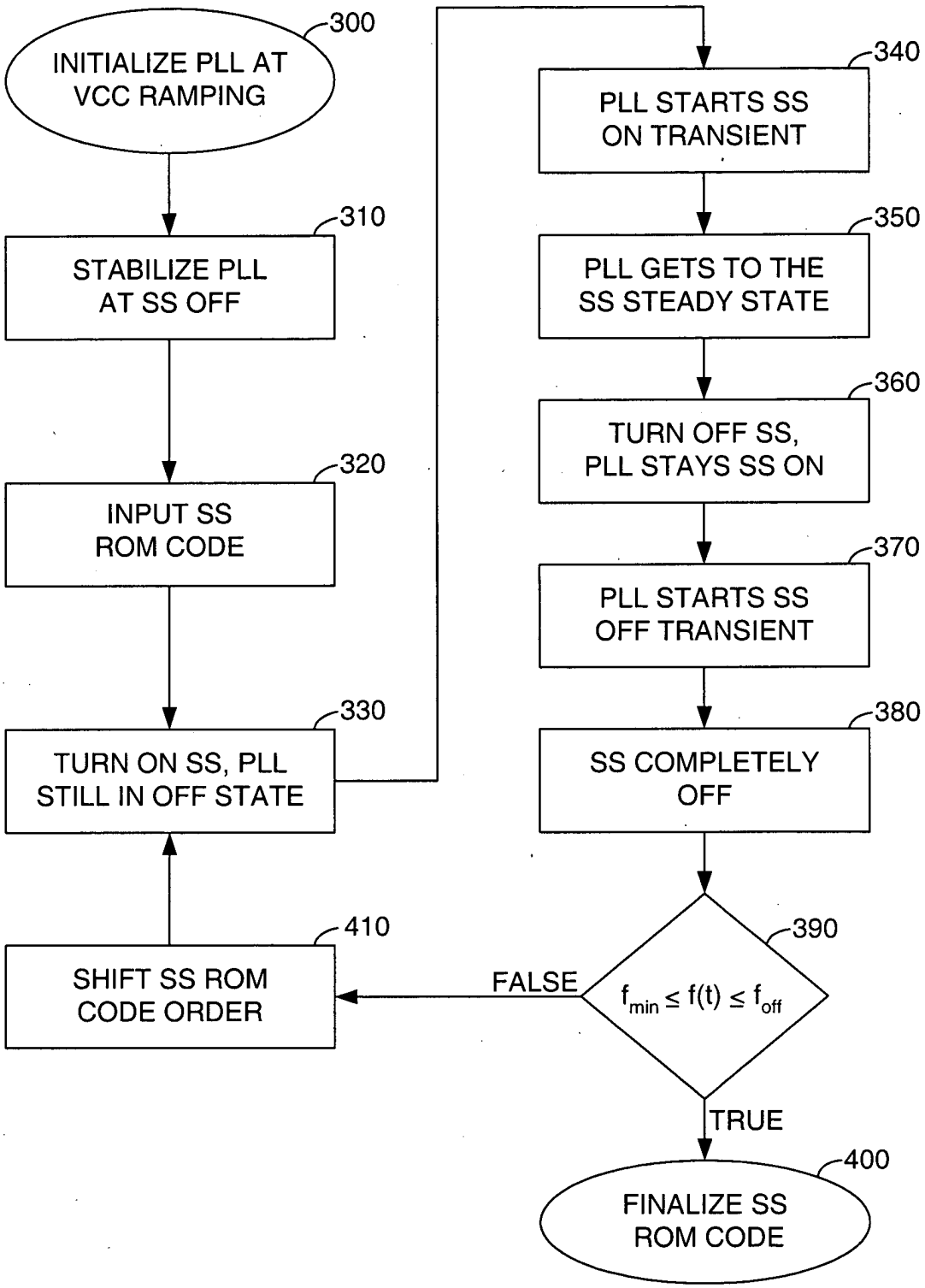
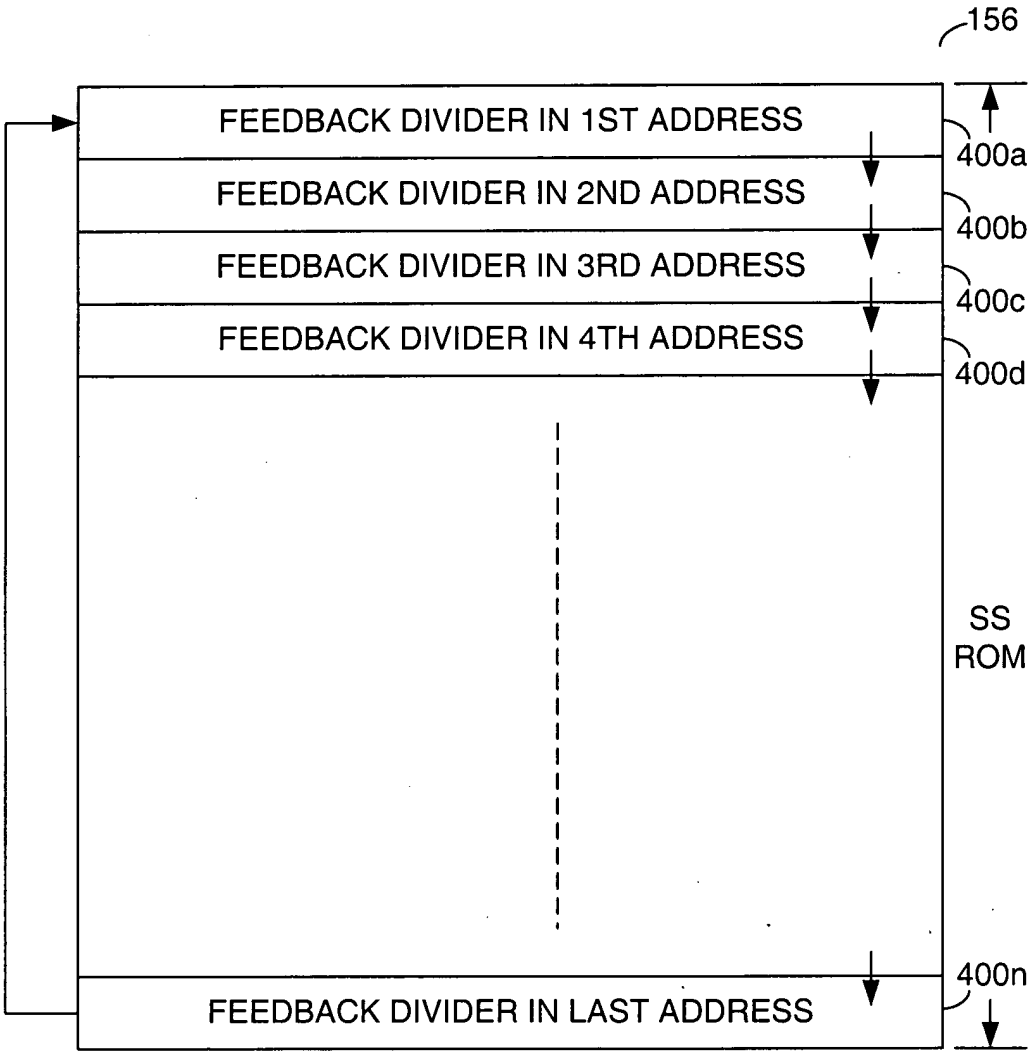


FIG. 8

ORDER SHIFTING STEP IN RESPONSE TO BAD BEHAVIOR



MOVE FEEDBACK DIVIDER IN LAST ADDRESS TO 1ST ADDRESS AND SHIFT DOWN SS ROM CODE.

FIG. 9